

Figure 2

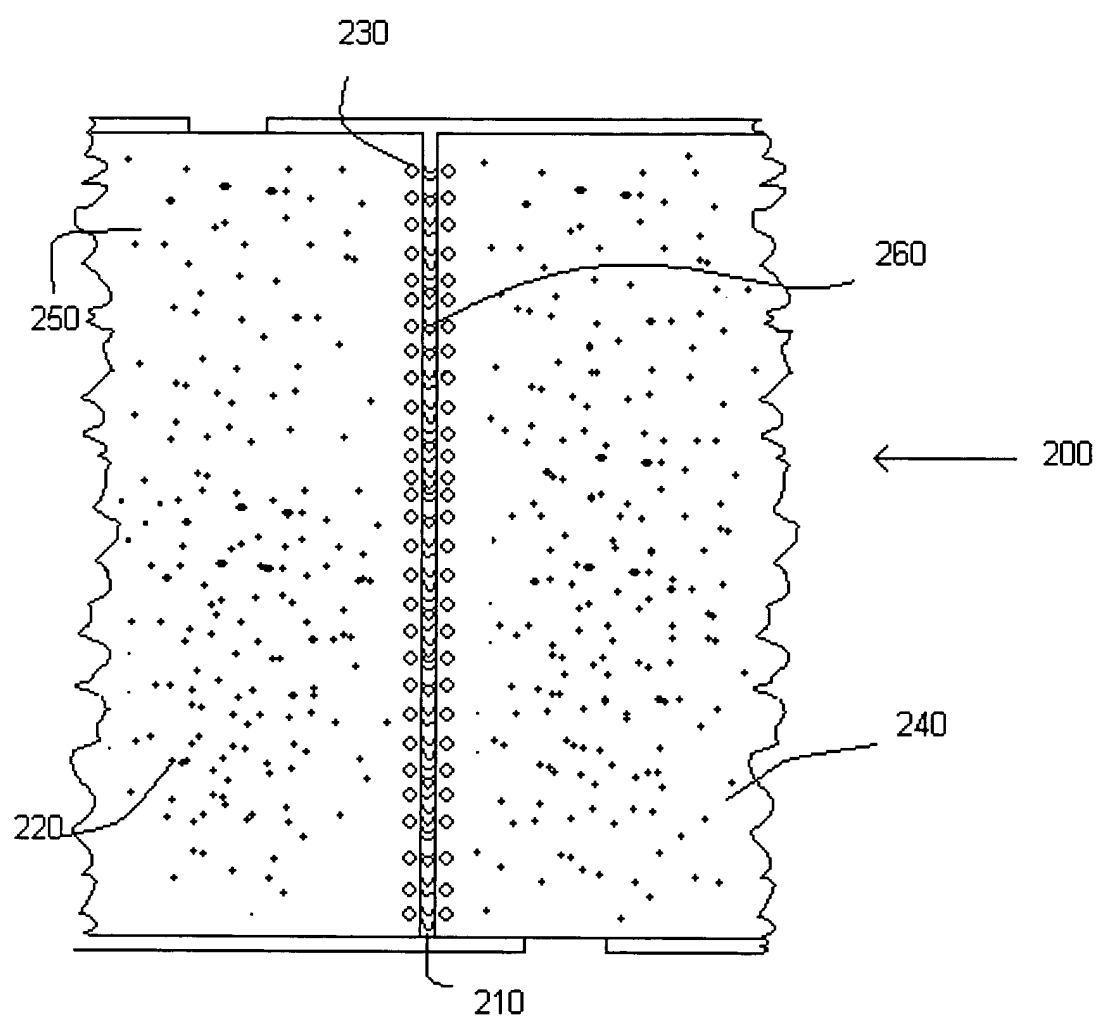


Figure 3

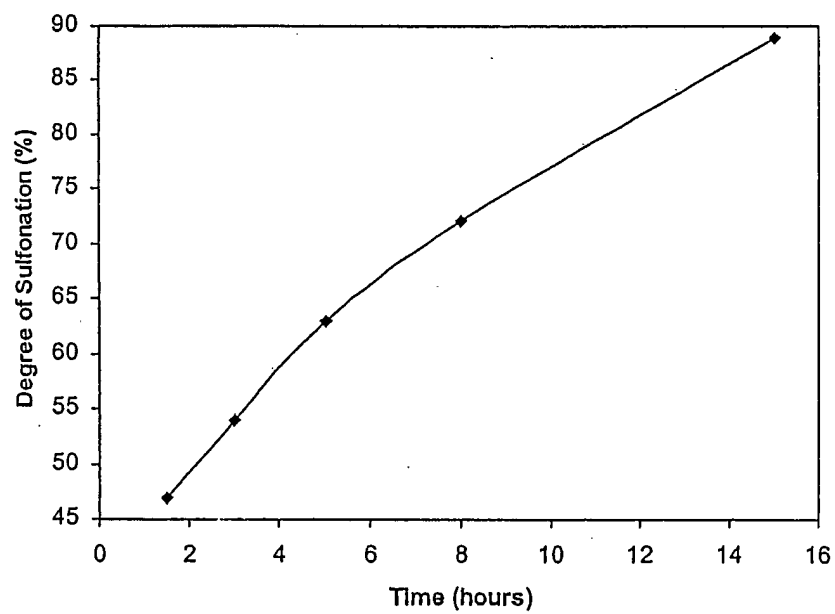


FIGURE 4

FIGURE 5

Sulfonation level of S-PEEK (%)	Water uptake (%)	Conductivity (S/cm)
54	45	0.026
58	50	0.033
63	45	0.041

# FIGURE 6

Composition (%) S-PEEK/Monomers(VPA-DVS-AN)	Water Uptake (%)	Conductivity (S/cm)
30/70(15-62.5-22.5)	18	0.020
30/70(15-42.5-42.5)	45	0.041